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PATENTIN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Victor T. Chen et al.

Examiner: Frances Oropeza

Serial No.: 09/712,600

Group Art Unit: 3762

Filed: November 14, 2000

Docket: 279.492US1

Title: Method and Apparatus for Using Atrial Discrimination Algorithms to Determine
Optimal Pacing Therapy and Therapy Timing**RECEIVED**

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AMENDMENT AND RESPONSE

TECHNOLOGY CENTER R3700

Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicant has reviewed the Office Action dated July 19, 2002. Detailed comments to the Office Action are found in the Remarks section below. Amendments to the claims are found in the following Amendments section.

AMENDMENT**IN THE CLAIMS**

Please cancel claims 2 and 32, add new claim 62, and amend claims 1, 3 - 30, 34, 39 - 42, 44, 51 - 53 by replacing the amended claims with their respective claims in the appendix entitled "Clean Version of the Amended Claims." The replacement claims are intended to reflect the specific amendments as detailed in the following marked up set of claims.

1. (Amended) A method for providing pacing therapy to a heart, comprising [the steps of]:
 - [(a)] establishing discrimination criteria for distinguishing [between] different types of supraventricular tachycardia, including establishing discrimination criteria for distinguishing at least two different types of regular rapid supraventricular heart rates;
 - [(b)] sensing activity of at least one [of the] atria of the heart to provide an atrial activity signal;
 - [(c)] comparing at least one characteristic of the atrial activity signal to the discrimination criteria to identify [the] a type of supraventricular tachycardia

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We are transmitting herewith the following attached items (as indicated with an "X"):

A return postcard.

An Amendment and Response (14 Pages) *including authorization to charge the \$84.00 fee for adding additional claims to Deposit Account 19-0743.*

A Clean Version of the Amended Claims (9 pgs).

If an additional fee is required due to changes to the claims, the fee has been calculated as follows:

CLAIMS AS AMENDED						
	(1) Claims Remaining After Amendment		(2) Highest Number Previously Paid For	(3) Present Extra	Rate	Fee
TOTAL CLAIMS	60	-	61		x 18 =	\$0.00
INDEPENDENT CLAIMS	7	-	6	1	x 84 =	\$84.00
[] MULTIPLE DEPENDENT CLAIMS PRESENTED						\$0.00
TOTAL						\$84.00

Please consider this a PETITION FOR EXTENSION OF TIME for sufficient number of months to enter these papers and please charge any additional required fees or credit overpayment to Deposit Account No. 19-0743.

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.
P.O. Box 2938, Minneapolis, MN 55402 (612-373-6900)

By: Marvin L. Beekman
Atty: Marvin L. Beekman
Reg. No. 38,377

CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail, in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on this 21 day of October, 2002.

Name

GREG HANSON

Signature

Greg Hanson

Customer Number 21186

SCHWEGMAN, LUNDBERG, WOESSNER & KLUTH, P.A.

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(GENERAL)